



**Intelligent Transport Systems (ITS);
RTTT;**

**Test specifications for High Data Rate (HDR) data
transmission equipment operating in the 5,8 GHz ISM band;**

Part 2: Application Layer;

Sub-Part 3: Abstract Test Suite (ATS)

and partial PIXIT proforma

Reference

RTS/ITS-0020054

Keywordsapplication, ATS, DSRC, layer 7, PIXIT, testing,
TTCN**ETSI**650 Route des Lucioles
F-06921 Sophia Antipolis Cedex - FRANCE

Tel.: +33 4 92 94 42 00 Fax: +33 4 93 65 47 16

Siret N° 348 623 562 00017 - NAF 742 C
Association à but non lucratif enregistrée à la
Sous-Préfecture de Grasse (06) N° 7803/88

(<https://standards.iteh.ai>)
Document Preview

Important notice

Individual copies of the present document can be downloaded from:
<http://www.etsi.org>

The present document may be made available in more than one electronic version or in print. In any case of existing or perceived difference in contents between such versions, the reference version is the Portable Document Format (PDF). In case of dispute, the reference shall be the printing on ETSI printers of the PDF version kept on a specific network drive within ETSI Secretariat.

Users of the present document should be aware that the document may be subject to revision or change of status. Information on the current status of this and other ETSI documents is available at
<http://portal.etsi.org/tb/status/status.asp>

If you find errors in the present document, please send your comment to one of the following services:
http://portal.etsi.org/chaicor/ETSI_support.asp

Copyright Notification

No part may be reproduced except as authorized by written permission.
The copyright and the foregoing restriction extend to reproduction in all media.

© European Telecommunications Standards Institute 2012.
All rights reserved.

DECTTM, PLUGTESTSTM, UMTSTM and the ETSI logo are Trade Marks of ETSI registered for the benefit of its Members.
3GPPTM and LTETM are Trade Marks of ETSI registered for the benefit of its Members and
of the 3GPP Organizational Partners.
GSM[®] and the GSM logo are Trade Marks registered and owned by the GSM Association.

Contents

Intellectual Property Rights	4
Foreword.....	4
1 Scope	5
2 References	5
2.1 Normative references	5
2.2 Informative references.....	6
3 Definitions and abbreviations.....	6
3.1 Definitions.....	6
3.2 Abbreviations	6
4 Abstract Test Method (ATM).....	7
4.1 Protocol layer architecture.....	7
4.2 Test system architecture	8
4.2.1 The TTCN-3 test architecture	8
4.2.2 The HDR Application Layer test architecture	9
4.2.3 Port mapping.....	9
4.2.3.1 Mapping rules for the Ilc port.....	9
4.2.3.2 Mapping rules for APDUs	10
4.3 Type of SUT.....	10
5 Untestable test purposes	10
6 The ATS development process.....	10
6.1 Requirements and Test Purposes.....	10
6.2 Test case grouping.....	11
6.3 Test case identifier.....	11
6.4 ATS Library	11
6.5 TTCN-3 naming conventions.....	12
6.6 PICS information.....	12
6.7 Test Suite documentation	13
6.8 ATS archive.....	13
Annex A (normative): Partial PIXIT proforma	14
A.1 Introduction	14
A.2 PIXIT items	14
Annex B (informative): TTCN-3 library modules.....	17
B.1 Electronic annex, zip file with TTCN-3 code	17
B.2 Electronic annex, zip file with HTML documentation.....	17
History	18